FOR PUBLIC OFFICIALS

GUIDE TO PIPELINE SAFETY

KEEP THIS RESOURCE IN A HANDY PLACE AND REVIEW FOR INFORMATION ON:

- Pipeline Safety and Integrity Management
- How to Respond to a Pipeline Emergency
- Pipeline Right-of-Way Protection

IN AN EMERGENCY CALL 911 AND THE ALLIANCE PIPELINE
24-HOUR EMERGENCY NUMBER 1-800-884-8811
Partners in Safety

Alliance Pipeline puts safety first. Our company’s progressive culture of safety was the catalyst behind the advanced design, technology, materials and standards used to construct our system. This culture also propels our rigorous commitment to proactive pipeline maintenance and monitoring, our environmental management system, and emergency management processes.

While our industry-leading approach to safety is focused on public safety, there are some things that you as a public official need to know to help us maintain the safety of your community. Advanced knowledge of pipeline locations, the products transported inside, whom to contact, and how to work together in the event of an emergency are critical factors to community safety. Please review this information carefully, share it with your colleagues and keep it handy.
About Us

Alliance Pipeline transports natural gas through a 2,391-mile system that runs underground from northeastern British Columbia and northwestern Alberta through Saskatchewan, North Dakota, Minnesota, and Iowa, terminating at the Aux Sable Liquid Products Processing plant in Illinois. Our Tioga Lateral Pipeline in North Dakota is an 80-mile line that runs near Tioga to the existing Alliance mainline near Sherwood. The Tioga lateral delivers up to 126.4 million cubic feet (mmcf) of gas per day from the Williston Basin that may otherwise be flared or vented into the atmosphere. On average, the entire Alliance Pipeline system transports approximately 1.6 billion cubic feet of high-energy natural gas every day – enough to meet the daily needs of more than seven million homes and businesses.

Alliance Pipeline Fast Facts

- 36-inch diameter buried pipeline
- Mainline built with heavy wall pipe 20 to 50 percent thicker than most other pipelines
- Monitored and operated 24/7, 365 days per year by our gas control center
- Protected against external corrosion
- Any portion of the system can be isolated or shut down at any time using block valves

We transport enough energy to meet the needs of more than seven million homes and businesses each day.
About Natural Gas

**Versatile, Bountiful and Vital**

Natural gas plays a vital role in the nation’s energy mix, providing about 25 percent of the daily energy consumed in the U.S. Nearly all the natural gas consumed in North America – 98 percent – is produced in the U.S. and Canada, and known supplies are projected to meet customer demand for more than 100 years.

As the cleanest burning fossil fuel (producing 45 percent less carbon dioxide than coal for the same amount of energy produced), an increasing percentage of the nation’s electrical grid is fueled by natural gas-fired generation. Natural gas efficiently heats and cools more than 70 million homes and businesses in the U.S. and powers manufacturing and transportation.

**Properties**

The primary compound of natural gas is methane, derived from organic material that was either deposited or buried under the earth millions of years ago. It is odorless and colorless. When mixed with the right amount of air and ignited, it will burn with a clean, blue flame that generates radiant heat.

**Pipelines**

The value of natural gas to society continues to emerge as greater supplies become available for use. Pipelines are, by far, the safest and most efficient mode of transporting the commodity over land. With nearly 300,000 miles of infrastructure, the pipeline transmission network in North America safely and reliably moves huge volumes of natural gas from producers to customers every day.

Transmission lines ultimately deliver natural gas to local distribution companies (LDCs), where a sour-smelling odorant called *Mercaptan* is added to help customers more readily detect leaks. The LDC then use small diameter pipes to deliver natural gas to customers. This entire process – design, construction, operation and maintenance of natural gas transmission and distribution systems – is regulated by federal, state and provincial agencies, with an emphasis on ensuring pipeline integrity and safety.

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**Material Safety Data Sheets (MSDS)** for natural gas are available upon request or can be found in your Emergency Response Guidebook (ERG) ID# 1971, guide #115.
Integrity Management Program

The Alliance pipeline was built using the most advanced pipeline design, technology and materials available. It provides safe, reliable, efficient and environmentally responsible natural gas transport for our customers. We regularly demonstrate and document for federal, state and provincial agencies in the U.S. and Canada that the integrity of our pipeline and facilities is maintained at all times. Our Integrity Management Program (IMP) serves as the cornerstone of our pipeline design, operating and maintenance plans – the key to ensuring that our system operates safely and responsibly. The IMP consists of a written set of inspection, testing and documentation standards, which include:

- Defining employees’ roles and responsibilities
- Keeping the public informed
- Assessing the condition of our transmission system and recording any potential problems so that they can be addressed
- Taking measures to prevent and mitigate issues
- Identifying High Consequence Areas (HCAs), which regulators define as more populated regions, or even specific locations that house people with limited mobility that require supplemental safety assessments and measures
- Documenting all activity

Alliance Pipeline employs a robust, inside-and-out inspection and monitoring regime to ensure that our pipeline is constantly in top condition. **In-line inspections** include the use of a tool that travels through sections of the pipeline, collecting detailed information about its interior, including pipe wall thickness and condition. Data obtained exposes issues that could potentially lead to future safety concerns. Since 2000, we have internally inspected 100 percent of our system three times, exceeding regulatory guidelines and demonstrating Alliance Pipeline’s commitment to safety.

Alliance personnel routinely walk and drive the pipeline route looking for potential threats to safety, such as earth movement. **Exterior inspection** also includes aerial patrols along the pipeline corridor to monitor for activities such as unauthorized excavation and construction, or signs of potential leaks.

Alliance Pipeline’s IMP features many more components which can be reviewed on our website – www.alliancepipeline.com – but we also need the vigilance of the community and its leaders to help us maintain the safety and integrity of our system in order to continue to deliver this vital commodity.

Our Integrity Management Program is key to ensuring that our system operates safely.
How You Can Help

Although incidents or accidents are rare, awareness of pipeline locations, the potential hazards, and knowing what to do if an incident occurs can help further minimize the number of occurrences or potential damage. Here is what you can do:

- Become familiar with pipelines and pipeline facilities in your region. Pipeline location maps are available from the National Pipeline Mapping System (NPMS) at www.npms.phmsa.dot.gov. Public officials may obtain more detailed local maps for their region by submitting an online application.
- Maintain up-to-date contact information for all pipeline operators in your region.
- Ask planning and zoning departments/agencies to prioritize knowledge of pipeline locations when considering excavation and/or construction permits and development. For more information, please visit http://primis.phmsa.dot.gov/comm/pipa/landuseplanning.htm.
- Remain vigilant to unusual, suspicious and unauthorized activities within pipeline rights-of-way. Report any such activities to the pipeline operator and local law enforcement.
- Support and encourage the use of your state’s One-Call Center (811).

If you encounter a pipeline leak, call 911 as soon as you are in a safe location, then call our 24-hour emergency number – 1-800-884-8811 – and notify us about the issue.

It’s for Safety. It’s the Law

State laws require advance marking of underground pipelines, electrical, or communications wires when excavating or digging, installing a fence or new building, or even deep plowing a field. The laws were passed to ensure public safety, and to avoid expensive repair costs caused by damage that could occur if the lines were not marked in advance.

The nationwide 811 system was established to help citizens easily comply with advanced notification and marking legislation. By dialing 811, callers will automatically be routed to the state’s One Call Center to request advanced marking of underground utilities.

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Responding to a Pipeline Incident

In the unlikely event of a pipeline emergency, Alliance Pipeline would put into motion our comprehensive Emergency Response Plan. The top priorities of the plan, which has been provided in full to emergency responders in your area, are to protect life, stabilize the incident and safeguard the environment. Alliance Pipeline practices the National Incident Management System (NIMS) and will integrate into the incident command system in an emergency.

Effective communication with local officials and emergency responders is critical to maintaining safety along the pipeline corridor. We commit to building lasting relationships with all, in order to learn about each other’s resources and capabilities, and take part in training and drills.

Resources Alliance Pipeline offers include:

- Meetings or discussions with you and representatives from your area who have emergency response accountabilities
- A tabletop or field exercise engaging local Alliance Pipeline and emergency personnel
- A Land, Right-of-Way and Corridor Representative to work with you in any way necessary to maintain pipeline integrity and safety

Please contact us if you want to set up a meeting or a drill, or are interested in any additional information.

Signs of a natural gas pipeline leak

In the unlikely event of a pipeline emergency, it’s important that you know the warning signs.

**DO**

- Unusual hissing, whistling, or roaring
- No odor or a smell similar to diesel, oil, or propane*
- Steam-like cloud
- Unexpected frost on the ground
- Dirt blowing from the ground
- Bubbling in wet areas
- Dying vegetation along the Right-of-Way

**FROM A SAFE LOCATION**

Call 911 and the Alliance Pipeline 24-hour emergency number

1-800-884-8811

**DON’T**

- Extinguish/eliminate ignition sources like cigarettes or machinery
- Alert others in the vicinity
- Leave the area immediately, in an upwind direction
- Start up vehicles or machinery in the area
- Come into contact with leaking substance
- Operate phones or electrical devices

*Unlike natural gas delivered to your home which may be odorized, natural gas on the Alliance system is not odorized.
Protecting the Right-of-Way

Right-of-Way (RoW) corridors are often recognizable because they are clear of trees, buildings and other structures. To perform needed inspections and maintenance, our crews must be able to safely access the pipeline RoW. Trees, shrubs, fences, buildings, and other structures hinder a pipeline operator’s ability to maintain the integrity of their pipeline, possibly increasing the potential for pipeline damage. For this reason, we ask permitting departments/agencies to prioritize pipeline locations when considering excavation and/or construction permits. If you see activity taking place along a pipeline RoW that doesn’t seem right – construction, operation of machinery, excavation, or vehicles crossing the RoW – please contact your local Alliance Pipeline representative or law enforcement agency (911 in an emergency).

RoW corridors are also marked near road intersections, fence lines and water crossings, warning that there is a natural gas pipeline nearby. Bear in mind that marker posts do not indicate the exact location – or depth – of a pipeline. When you see a marker, you should notice three key messages:

- The name of the operator
- An emergency phone number
- What product is being transported

Alliance has also posted a reflective 811 sticker on our pipeline markers as another reminder to call before you dig.

Penalties for removing, defacing or damaging a pipeline marker could run up to $5,000, one year in jail, or both.

Farming and Damage Prevention

Many of those who live and work along the Alliance Pipeline system are farmers. Our system was designed and constructed, in part, to minimize interference with normal farming operations. Some activities in our pipeline’s RoW, however, such as deep plowing or installing drain tile or fencing could adversely affect the pipeline. If you or one of your constituents are not sure whether planned activity might have an effect on the pipeline, please call us before you begin work. Any dent or scrape to the pipeline can lead to safety risks in the future, and must be reported to us immediately.
Pipeline Regulatory Agencies (Federal)

- PHMSA (Pipeline and Hazardous Material Safety Administration) [www.phmsa.dot.gov]
- Gas Integrity Management Plans [http://primis.phmsa.dot.gov/gasimp/]
- U.S. DOT (Department of Transportation) [www.dot.gov]
- NPMS (National Pipeline Mapping System) [www.npms.phmsa.dot.gov]
- NTSB (National Transportation Safety Board) [www.ntsb.gov]
- FERC (Federal Energy Regulatory Commission) [www.ferc.gov]
- OSHA (Occupational Health & Safety Administration) [www.osha.gov]
- NFPA (National Fire Prevention Association) [www.nfpa.org]

Pipeline Resources and Information

- Pipeline Association for Public Awareness [www.pipelineawareness.org]
- Free Online Training and Scenarios [www.pipelineemergencies.com]
- Damage Prevention Information [www.call811.com]
- Common Ground Alliance [www.commongroundalliance.com]
- INGAA (Interstate Natural Gas Association of America) [www.ingaa.org]
- Pipeline 101 [www.pipeline101.com]
- American Gas Association [www.aga.org]
- Dig Safely [www.digsafely.com]

Important North Dakota Numbers

North Dakota Public Service Commission
701-328-2400
http://www.psc.nd.gov/

North Dakota One Call
1-800-795-0555 or 811
www.nd1call.com

Important Iowa Numbers

Iowa Utility Board
1-877-565-4450
www.state.ia.us/iub

Iowa One Call
1-800-292-8989 or 811
www.iowaonecall.com

Important Minnesota Numbers

Minnesota Office of Pipeline Safety
651-201-7230
https://dps.mn.gov/divisions/ops

Minnesota Gopher State One Call
1-800-252-1166 or 811
www.gopherstateonecall.org

Important Illinois Numbers

Illinois Commerce Commission
217-785-1165
www.icc.illinois.gov

Illinois One Call – “Julie”
1-800-892-0123 or 811
www.illinois1call.com

For an overview of pipelines in your area, visit the National Pipeline Mapping System online at [www.npms.phmsa.dot.gov].
Key Contact Information

Alliance Pipeline Head Office
800, 605 – 5th Avenue SW
Calgary, Alberta, Canada, T2P 3H5
1-800-717-9017 (toll-free)
403-266-4464
403-266-4495 (fax)
info@alliancepipeline.com
www.alliancepipeline.com

Alliance Pipeline USA
6385 Old Shady Oak Road, Suite 150
Eden Prairie, MN 55344
1-877-733-3183 (toll-free)
952-944-3183
952-944-9166 (fax)

Local Contact Information

North Dakota
Leighton Smith
Area Manager
701-845-1929
Mark Berge
Land, RoW and Corridor Representative
701-845-1929
1520 8th Street S.E.
Valley City, North Dakota 58072

Minnesota
Rick Bartlett
Area Manager
507-625-2404
Randy Phillips
Land, RoW and Corridor Representative
507-625-2404
1990 Lookout Dr.
North Mankato, MN 56003

Iowa/Illinois
Nick Berning
Area Manager
563-652-0532
Paul Kleist (Iowa)
Land, RoW and Corridor Representative
563-652-0532
Chris Cleveland (Illinois)
Land, RoW and Corridor Representative
815-370-3520
1208 East Summit Street
Maquoketa, Iowa 52060

Stay Connected with Alliance

To assist you with questions and operational issues, Alliance Pipeline has developed a team of Land, Right-of-Way and Corridor Representatives (LRCR). Their duties include delivering damage prevention presentations, connecting with public officials and local government agency representatives, and delivering public awareness information designed to ensure community, landowner and employee safety. Our LRCRs are also responsible for meeting and working with landowners regarding any concerns and questions they may have, and participating in emergency response drills.

It is important for Alliance to keep in touch with stakeholders along our pipeline route. If your contact information has changed, please contact Alliance at 1-877-733-3183 or your local Land, Right-of-Way and Corridor Representative.